

Title (en)

SINGLE-LAYER PROGRESSIVE CODING FOR SUPPORTING MULTI-CAPABILITY HDR COMPOSITION

Title (de)

EINSCHICHTIGE PROGRESSIVE KODIERUNG ZUR UNTERSTÜTZUNG EINER MULTIKAPAZITIVEN HDR-ZUSAMMENSETZUNG

Title (fr)

CODAGE PROGRESSIF MONOCOUCHE POUR PRENDRE EN CHARGE UNE COMPOSITION HDR À CAPACITÉ MULTIPLE

Publication

EP 3537717 B1 20210811 (EN)

Application

EP 19161627 A 20190308

Priority

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- EP 18161041 A 20180309

Abstract (en)

[origin: EP3537717A1] A standard dynamic range (SDR) image is received. Composer metadata of the first level through the N-th level is generated. Composer metadata of the j-th level is generated based on the composer metadata of the first level through (j-1)-th level. The composer metadata of the first level through the composer metadata of the j-th level is to be used for mapping the SDR image to the j-th target image specifically optimized for the j-th reference target display. The SDR image is encoded with the composer metadata of the first level through the k-th level in an output SDR video signal, where $1 \leq k \leq N$. A display device renders a display image derived from a composed target image composed from the SDR image based on the composer metadata of the first level through the k-th level in the output SDR video signal.

IPC 8 full level

G06T 5/00 (2006.01); **H04N 19/30** (2014.01); **H04N 19/463** (2014.01)

CPC (source: EP US)

H04N 19/14 (2014.11 - US); **H04N 19/186** (2014.11 - US); **H04N 19/1887** (2014.11 - US); **H04N 19/30** (2014.11 - EP US); **H04N 19/463** (2014.11 - EP US); **H04N 19/98** (2014.11 - US)

Cited by

CN114556954A; WO2023039112A1

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